



## Exterior Series



The Exterior 600 is an automated color-changing Fresnel washlight designed for fixed outdoor installations.

It includes a fast shutter for instant blackout, a full-range dimmer and a color mixing functionality that uses the three complementary colors cyan, magenta and yellow to generate a vast spectrum of color. An additional color wheel offers red, green and blue dichroics plus 5600K/3200K color temperature correction as well as a beam-shaping filter.

The Exterior 600 is available in a variety of optical configurations. In total there are 5 available lens options providing the designer with a choice from a tight, narrow beam for long throw applications to a very wide even wash for short throw applications. The options are 12°, 18-25°, 22-38°, 65° and 100° (two options include a dynamic zoom facility), with an additional asymmetrical beam shaping option of 20° x 77°.

It features a super solid weatherproof housing and a unique convection cooling system to ensure an all important product toughness and reliability. The IP 65 weatherproof rating means that the Exterior 600 remains functional even under the most severe weather conditions. The luminaire houses a powerful discharge 575 watt lamp for unmatched light output and is DMX controllable.

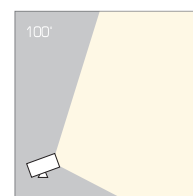
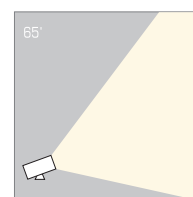
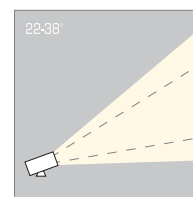
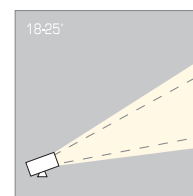
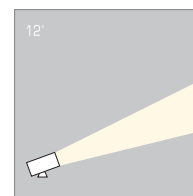
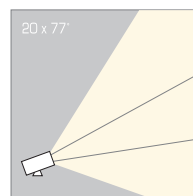
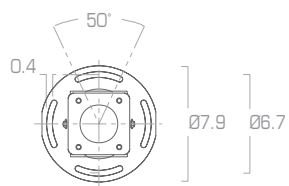
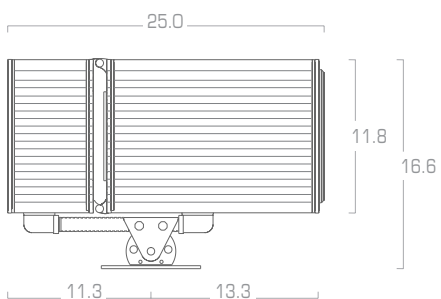
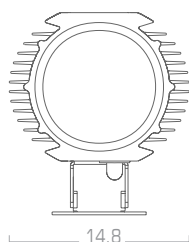
Equipped with a number of automatic features including stand-alone programming which can be triggered from an on-board real time clock, or a light sensor that triggers operation after sundown, the Exterior 600 provides years of independent uninterrupted life.

## Application

Fixed exterior installations and dynamic illumination of facades, historical buildings and high-rises. Challenging structures such as bridges and pylons and weather-beaten environments such as cruise ships. Resistant to extreme temperatures.







## Physical

Length: 636 mm (25.0 in)  
 Width: 375 mm (14.8 in)  
 Height: 421 mm (16.6 in)  
 Weight: 48 kg (106 lb)

## Source

Lamp: 575 W discharge  
 Base: GX 9.5  
 Approved models: Philips MSR 575/2,  
 MSD 575; Osram HSR 575/2  
 Control: automatic and/or remote on/off

## Dynamic effects

Cyan filter: 0 - 100%  
 Magenta filter: 0 - 100%  
 Yellow filter: 0 - 100%  
 Color wheel: 4 filters + open, split positions  
 Dimmer: 0 - 100%  
 Shutter: flash up to 8 Hz  
 Beam shaper: 0 - 90°  
 Frost: on/off  
 Zoom, Fresnel optics: 22° - 38°  
 Zoom, Fresnel optics narrow: 18° - 25°

## Control & Programming

Control options: DMX-512, stand-alone,  
 master/slave  
 Receiver: RS-485  
 Setting and addressing: MP-2, DAD, MUM  
 Firmware update: Serial upload (MUF)  
 Stand-alone trigger options:  
 internal real-time clock with timer  
 and light-level sensor  
 Stand-alone memory: 20 scenes  
 Data input/output: 1.8 m (5.9 ft)  
 trailing cable w/ 3-pin XLR male &  
 3-pin XLR female  
 DMX channels: 8/9

## Installation

Mounting points: 4 curved 10 mm (0.4 in)  
 slots on 85 mm (3.4 in) radius  
 Orientation: any  
 Swivel: +/- 25°  
 Tilt (pedestal mounted): +/- 40°  
 Minimum distance to combustible materials:  
 1 m (39 in)  
 Minimum distance to illuminated surfaces:  
 1 m (39 in)

## Thermal

Maximum ambient temperature (Ta):  
 40° C (104° F)  
 Maximum surface temperature:  
 80° C (176° F)  
 Cooling: convection

## AC Supply

AC input: 1.8 m (5.9 ft) trailing cable  
 w/o cord cap

## Construction

Housing: extruded aluminum  
 Finish: anodized, natural aluminum color  
 Base: 6 mm (0.24 in) stainless steel  
 Front glass: 6 mm (0.24 in) anti-reflection  
 coated (except 12° and 100° version)  
 Protection factor: IP 65

## Listings

ETL, ETL, CE

## Included items

User manual	P/N 35000020
Philips MSD575	P/N 97010205

## Accessories

Shoot/barndoor kit:	P/N 91611029
Ext. to Snoot/barndoor kit	P/N 91611030
5500-4200K CTC kit	P/N 91611036
Beamshaper 20° x 77°	P/N 91610028
DAD, DMX Address Device	P/N 90758430
MUM, Multi Utility Manager	P/N 90758090
MP-2 Uploader	P/N 90758420

## Ordering information

Exterior 600, 12°, 230V50Hz	P/N 90505020
Exterior 600, 12°, 245V50Hz	P/N 90505022
Exterior 600, 12°, 208V60Hz	P/N 90505024
Exterior 600, 12°, 277V60Hz	P/N 90505026
Exterior 600, 18-25°, 230V50Hz	P/N 90505040
Exterior 600, 18-25°, 245V50Hz	P/N 90505042
Exterior 600, 18-25°, 208V60Hz	P/N 90505044
Exterior 600, 18-25°, 277V60Hz	P/N 90505046
Exterior 600, 22-38°, 230V50Hz	P/N 90505000
Exterior 600, 22-38°, 245V50Hz	P/N 90505002
Exterior 600, 22-38°, 208V60Hz	P/N 90505004
Exterior 600, 22-38°, 277V60Hz	P/N 90505006
Exterior 600, 65°, 230V50Hz	P/N 90505060
Exterior 600, 65°, 245V50Hz	P/N 90505062
Exterior 600, 65°, 208V60Hz	P/N 90505064
Exterior 600, 65°, 277V60Hz	P/N 90505066
Exterior 600, 100°, 230V50Hz	P/N 90505080
Exterior 600, 100°, 245V50Hz	P/N 90505082
Exterior 600, 100°, 208V60Hz	P/N 90505084
Exterior 600, 100°, 277V60Hz	P/N 90505086

All architecture is great architecture after sunset.  
Perhaps architecture is a nocturnal art, like the art of  
fireworks.

GK CHESTERTON







The Exterior 200 is a 150W CMY color changer designed for outdoor applications.

Created as an economical alternative to the Exterior 600, the Exterior 200 incorporates many of the same useful features such as full-range continuous dimming, and smooth color mixing. It also has a manual beam-shaping function and is the perfect complement to the long throw characteristics of the Exterior 600.

The fitting is easily integrated into architectural details of buildings and structures. An IP 65 rating allows the Exterior 200 to withstand the harshest outdoor conditions. It is equipped with a number of automatic features including stand-alone programming, triggered from an on-board real time clock, and a light sensor that triggers operation after sundown. A wide range of photometric options are provided by two separate versions.

### Standard version

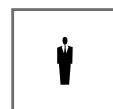
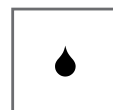
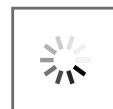
Housed in a weatherproof casing, the standard Exterior 200's wide throw flood beam makes it perfect for applications where projection distance is limited. Three symmetrical beam angles of 34°, 60° and 71° are available plus a beam shaper lens with an asymmetric distribution of 83° x 91°.

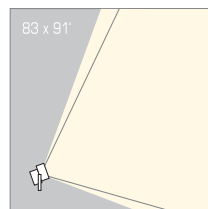
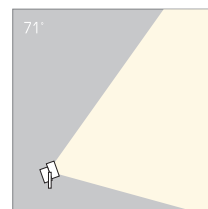
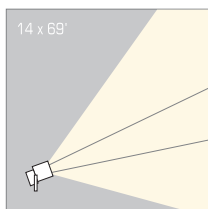
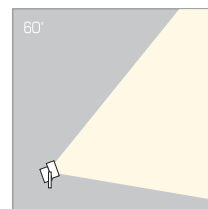
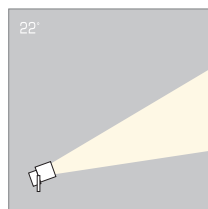
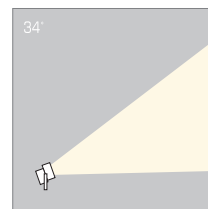
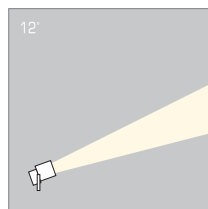
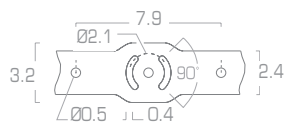
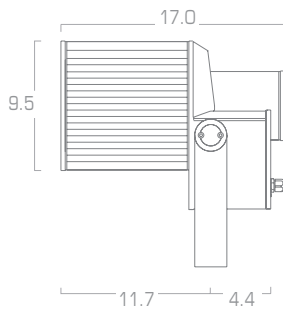
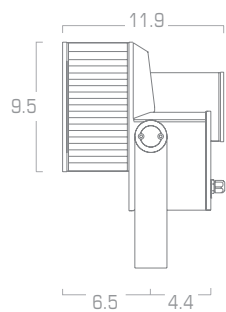
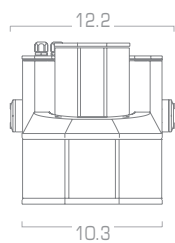
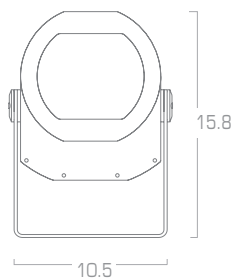
### Long Barrel version

A separate 'long barrel' version of the Exterior 200 is also available, providing narrower beam options for specialized applications. Two different options are now available: a 22° (using Fresnel lens) and a 12° field angle (using the PC lens). Finally, it is possible to mount a beam shaper glass to the underside of the PC lens to provide an asymmetric beam of 14° x 69° for elongated surfaces. These options are routinely used for long-throw applications and narrow structures such as pylons and columns.

### Application

Short throw exterior installations and dynamic illumination of facades, structures, water features and monuments. Narrow beam options ideal for longer-throw applications and narrow structures such as pylons and columns.





### Physical

Length: 301 mm [11.9 in] / 431 mm [17.0 in]  
 Width: 310 mm [12.2 in]  
 Height: 402 mm [15.8 in]  
 Weight: 15 kg (33 lbs) / 16.6 kg (36.5 lbs)

### Source

Lamp: 150W HIT  
 Approved models: Philips CDM-SA/T, GE CMH 150  
 Base: GY 12

### Control & Programming

Control options: DMX-512, stand-alone, master/slave  
 Receiver: RS-485  
 Setting and addressing: MP-2, DAD, MUM  
 Firmware update: Serial upload (MUF)  
 Stand-alone trigger options: Internal real-time clock with timer and light-level sensor  
 Stand-alone memory: 20 scenes  
 Data input/output: 1.8 m (5.9 ft) trailing cable w/ 3-pin XLR male & 3-pin XLR female  
 DMX channels: 7

### Installation

Minimum distance to combustible materials: 1 m (39 in)  
 Minimum distance to illuminated surfaces: 0.5 m (20 in)

### Thermal

Maximum ambient temperature (Ta) 40° C (104° F)  
 Maximum surface temperature, steady state, Ta = 40° 90° C (194° F)

### AC Supply

AC input: 1.8 m (5.9 ft) trailing cable w/o cord cap  
 Power supply options: 195/210/225/245/277 V, 50/60 Hz

### Construction

Housing: extruded aluminum  
 Finish: anodized, natural aluminum color, custom colors available on request

Front glass: 6 mm (0.24 in) anti-reflection coated  
 Mounting bracket: 8 mm (0.3 in) anodized aluminum  
 Housing-to-bracket attachment: 4 stainless steel M6 bolts, A2 DIN 933, 18.8  
 Protection factor: IP 65

### Listings

ETL, ETL, CE

### Included items

User manual	P/N 35000096
Lamp: Philips CDM-SA/T 150 W	P/N 97010111

### Accessories

34° Fresnel lens	P/N 91610022
71° Micro lens diffuser	P/N 91610024
91° x 83° beam shaper lens	P/N 91610023
MC-X Controller, 220 - 245 V, 50 Hz	P/N 90718200
MC-X Controller, 110 - 120 V, 60 Hz	P/N 90718300
Philips CDM-SA/T 150 W lamp	P/N 97010111
Snoot/barndoor kit	P/N 91611031
Extensions to Snoot/barndoor kit	P/N 91611032
DAD, DMX Address Device	P/N 90758430
MUM, Multi Utility Manager	P/N 90758090
MP-2 Uploader	P/N 90758420

### Ordering information

#### Standard

Exterior 200, 60°, 230V, 50Hz	P/N 90509000
Exterior 200, 60°, 245V, 50Hz	P/N 90509002
Exterior 200, 60°, 210V, 60Hz	P/N 90509004

#### Long Barrel

Exterior 200, 12°, 230V, 50HZ	P/N 90509020
Exterior 200, 12°, 245V, 50HZ	P/N 90509022
Exterior 200, 12°, 210V, 60HZ	P/N 90509024
Exterior 200, 22°, 230V, 50HZ	P/N 90509040
Exterior 200, 22°, 245V, 50HZ	P/N 90509042
Exterior 200, 22°, 210V, 60HZ	P/N 90509044







Target World HQ, Minneapolis  
Architect: Ellerbe Becket  
Lighting Design: Steve Pojar, 3M

The 3M Martin Architectural Light Pipe Systems are modular lighting elements capable of transporting and controlling the distribution of light. When coupled with Martin automated color-changing fixtures, the light pipes become an intense linear source of light.

By using the unique micro-structured 3M Optical Lighting Film, even distribution of light from end to end is possible for lengths up to 65 feet. Because the light source is at one end of the light pipe system, maintenance is simplified over other traditional linear light sources.

### **Application**

Decorative edge lighting on large buildings and structures or difficult and hostile environments such as swimming pools and bridges.



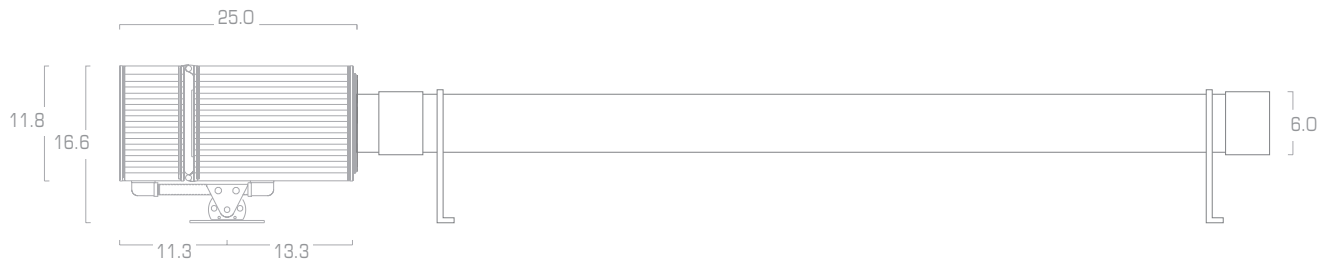
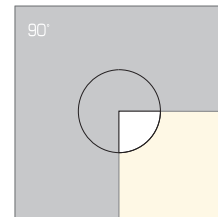
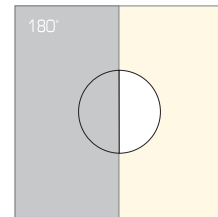
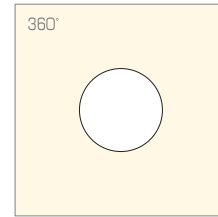
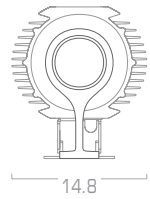
**LPS150**



**LPS100**



**LPS50**



## Physical

Available in 3 different light distribution apertures 90°, 180° and 360°

### 90°/180° Systems

Length: 2565 mm (101 in), 5004 mm (197 in),  
7442 mm (293 in), 9881 mm (389 in),  
12319 mm (485 in), 14757 mm (581 in),  
17196 mm (677 in), 19634 mm (773 in)  
Diameter: 254 mm (10 in), 152.4 mm (6 in), 102 mm (4 in),  
51 mm (2 in)

### 360° Systems

Length: 2565 mm (101 in), 5004 mm (197 in),  
7442 mm (293 in), 9881 mm (389 in)  
Diameter: 254 mm (10 in), 152.4 mm (6 in), 102 mm (4 in),  
51 mm (2 in)  
Weight: 2.8 kg (6.2 lb)/m Light Pipe System

## Source

To be mounted with Martin Exterior 600, 200, Alien 02

## Installation

The Light Pipe can be mounted to any flat surface capable of holding its weight, using 6mm (0.24 in) anchors suitable for the surface material. Each 2440 mm (96 in) light pipe module is secured with one mounting bracket. Each mounting bracket requires 3 anchors.

While the modules look identical, the construction differs slightly depending on the distance from the light source. A label on each light pipe module identifies the module number and correct orientation, with respect to the luminaire, for installation.

## Construction

### Light Pipe Modules

The Light Pipe modules consist of a UV stabilized polycarbonate outer pipe, lined with 3M Optical Lighting Film and other optical films.

### Mounting Bracket

The cast aluminum mounting bracket firmly holds each light pipe module in place. A silicone o-ring prevents damage to the module while ensuring a tight grip.

### Coupling

The coupling assembly absorbs the thermal expansion of adjacent light pipe modules while sealing out dust, dirt and moisture. The coupling consists of a transparent polycarbonate sleeve lined with a translucent silicone gasket. The coupling will absorb any expansion or contraction due to temperature change.

### Exterior 600 Adapter

The aluminum adapter mates the Light Pipe to the Exterior 600 luminaire creating a weathertight seal between the two.

### End Cap

Each light pipe system is capped with an End Cap. The Coupling is used to seal the end cap to the light pipe module.

## Environmental

Protection factor: IP65  
Operating temperature: -40C° - +50C°

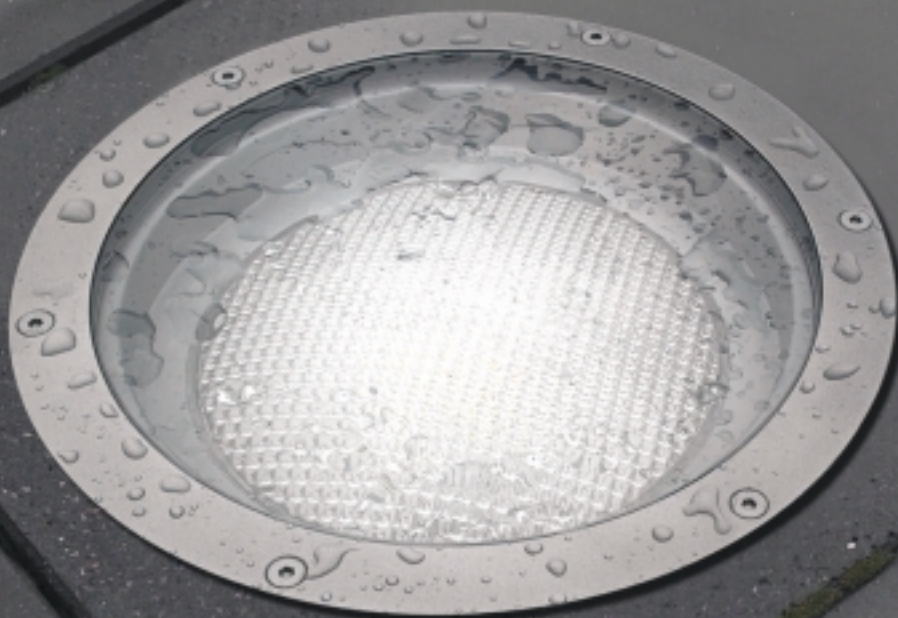
## Included items

Each light pipe system contains light pipe modules, couplings, and mounting brackets for the length of the system, an Exterior 600 adapter and an end cap.

## Ordering information

Relevant ordering information available on our website:  
[www.martinarchitectural.com](http://www.martinarchitectural.com)

martinarchitectural



Inground 200







## Dynamic light


The Inground 200 represents a breakthrough for its ability to integrate colour-changing technology into a standard uplight luminaire.

For the first time, the benefits of dynamic light and discrete buried installation are seamlessly combined in a simple, easy-to-use system of programmable luminaires.

### Applications

Designed for all terrains and weathers, the Inground Series offers high-performance tools for dynamic uplight illumination of facades, columns, structures, trees and landscapes.





What's your favourite colour?

Lavender, lime or rich ruby red, whatever the shade, Martin's colour systems are known for their ability to create beautiful, even colours. Fully flexible, the Inground 200 Series offers a choice of three different colour systems for dynamic light applications of varying complexity.



# THREE COLOUR SYSTEMS

## 1. Single Colour

One selectable colour ▪ Manual Intensity control ▪ Conventional

Designed as a simple means to creating colourful lighting schemes, the single colour system lets you choose any colour from our collection of forty dichroic filters. Custom colours are also available. The single-colour system also provides manual intensity control for fine-tuned illumination.



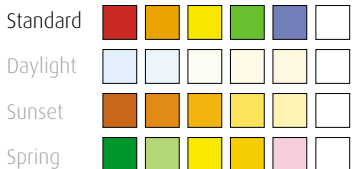
Choose your favourite colour from our collection of forty.

## 2. Six Colours

Six selectable colours ▪ 0-100% Intensity control ▪ Programmable

The 6-colour system is a programmable colour-changing system for dynamic lighting applications. It offers a selectable palette of up to six colours. Choose one of our ready-made colour schemes or consult us to create your own. A palette of five primary colours is included as standard.

The 6-colour system provides a programmable dimmer for true 0-100% intensity control.



## 3. Full Spectrum CMY

Seamless CMY colour mixing ▪ 0-100% Intensity control ▪ Programmable

The most advanced and versatile solution, the CMY colour system blends the primary colours Cyan, Magenta and Yellow to create a virtually limitless choice. For a beautiful effect, these colours can be programmed to shift smoothly from one shade to another.

The CMY system also provides a programmable dimmer for true 0-100% intensity control.



C = 5%



Y = 10%



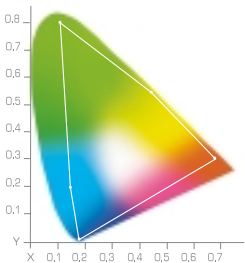
C=10% Y=15%



C=25% Y=25%

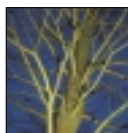


C=50% Y=45%

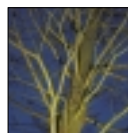


With the CMY system, the Inground 200 can create all the colours in the triangle above.

Intensity



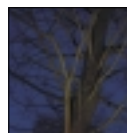
100% Intensity  
40% Yellow



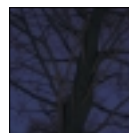
80% Intensity



50% Intensity




20% Intensity



0% Intensity

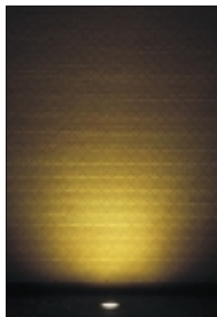
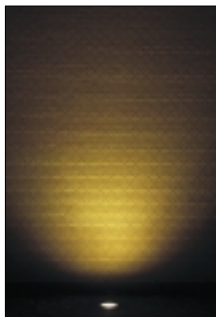
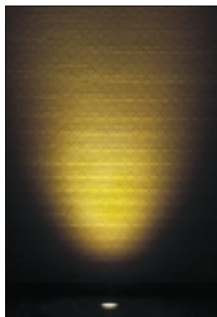
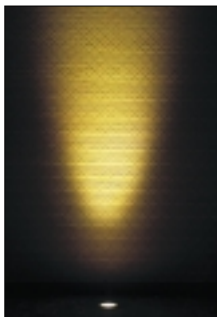
Good lighting design often highlights key features by varying light intensities. Programmable intensity control lets the light fade seamlessly from full intensity to off.

A large, multi-story brick building is shown at night. A powerful, warm yellow light emanates from a low point on the ground, casting a broad, circular glow up the side of the brick wall. This creates a 'wallwash' effect, where the texture of the bricks is highlighted by the light. The rest of the building and the sky are in deep shadow.

## Spotless illumination

The Inground Series was born out of our conscious drive to provide better lighting solutions. The consequence of this drive is a full range of optical solutions that include a patent-pending wallwash design for spotless illumination of walls and surfaces.

# A FULL RANGE OF OPTICAL SYSTEMS



C = 0%  
M = 0%  
Y = 40%

Wall 7m wide by 9 m high. Fixture at 1 m offset from wall

## Medium

A 32-degree beam angle  
suitable for  
Columns  
Palm trees  
Bridges  
Tall structures  
Facades

## Wide

A 56-degree beam angle  
suitable for uplighting  
Foliage  
Trees  
Structures  
Facades

## Very Wide

A 98-degree beam angle  
suitable for uplighting  
Foliage  
Trees  
Structures  
Facades

## Wallwash Option

A patent-pending optical  
system guarantees even,  
broad illumination of  
walls and surfaces.  
Uniform light distribution  
starts at ground level.



Fresnel Lens



Diffuser Lens



Superwide Lens

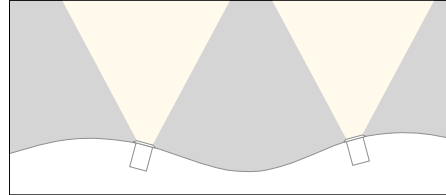


Superwide Lens with  
wallwash Mirror



## Easy aiming

An adjustable lamp frame allows for 360 degrees rotation and  $\pm 15$  degrees tilt. This compensates for variations in terrain and allows precise optical aiming. A locking mechanism secures the designer's aiming position even after lamp replacement.



## Low surface temperature

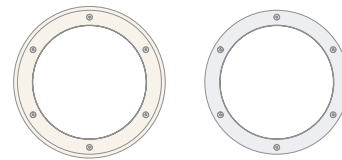
Double glass protection reduces the surface temperature, allowing for safe installation in applications near pedestrians or delicate planting. Surface temperatures are typically below 80°C. Consult Martin Architectural for safety information.

## Drive-over capability

Manufactured from marine-grade steel and clear tempered glass, the Inground 200 is designed to withstand loads of 5 metric tonnes. For drive-over applications, the luminaire can also be sleeve mounted and installed in concrete. Consult Martin Architectural for details.

## Accessories

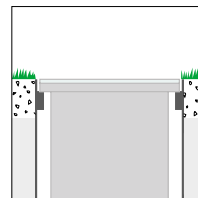
The Inground 200 can be adapted with a number of accessories, including louvres and customized top plates. Consult Martin Architectural for a full accessory list.



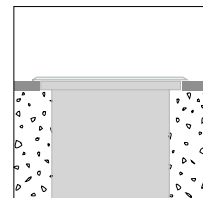
Available in stainless steel, aluminium or brass

## Installation

Special attention has been paid to ensure easy installation. The Inground 200 is suitable both for direct burial and sleeve installation. As with all buried uplights, adequate drainage should be ensured.



Sleeve burial in concrete



Direct burial

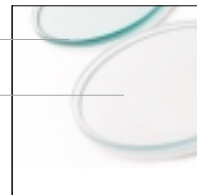
## No colour distortion

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The Inground 200 front glass is made of OptiWhite glass to ensure high transmission, a purer white light and no colour shift. Other uplight luminaires use conventional glass that will always discolour the light green.

Conventional Glass

Inground 200 Glass

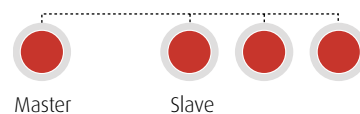


## Programmability

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Martin luminaires are 'intelligent' luminaires, and as such can be controlled by computer, or programmed to change according to the season or time of day. Most dynamic installations have a number of lighting programmes that can be selected for different functions and events.

Depending on the complexity required, Inground luminaires can either be operated by PC software, or without the aid of an external controller, via a built-in programme or master/slave relationship.



## IP 65/67

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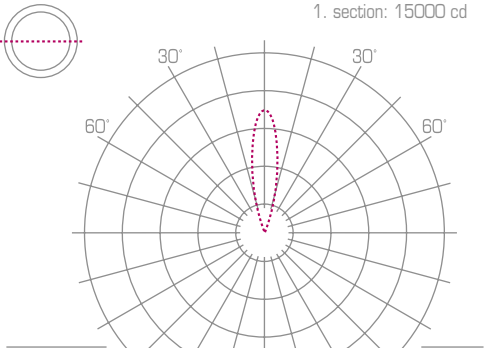
Designed to the highest quality, all Inground products are weatherproofed to withstand the constant exposure to rain, heat and frost. An IP 65/67 rating guarantees safe and reliable operation in all weathers.



# PHOTOMETRICS

## Medium Fresnel 32°

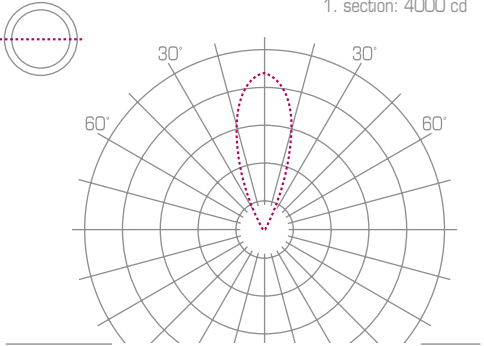
m.	Ø 50%	Ø 10%	20°32°	E (lux)
20	7.0	11.2		126
15	2.3	8.4		225
10	3.5	5.6		506
5	1.8	2.8		2022
2	0.7	1.1		12639



Efficiency
41%
Half-peak diameter
0.35 x distance (m)
One-tenth peak diameter
0.56 x distance (m)
Illuminance
50556/ distance <sup>2</sup> (lux)
Total Output
5777 (lumens)

## Wide Diffuser Lens 56°

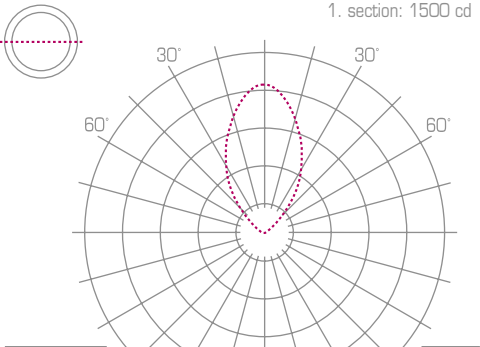
m.	Ø 50%	Ø 10%	32°56°	E (lux)
20	11.4	21.2		43
15	8.6	15.9		76
10	5.7	10.6		171
5	2.9	5.3		683
2	1.1	2.1		4266



Efficiency
41%
Half-peak diameter
0.57 x distance (m)
One-tenth peak diameter
1.06 x distance (m)
Illuminance
17063/ distance <sup>2</sup> (lux)
Total Output
5794 (lumens)

Very Wide Superwide Lens 98°

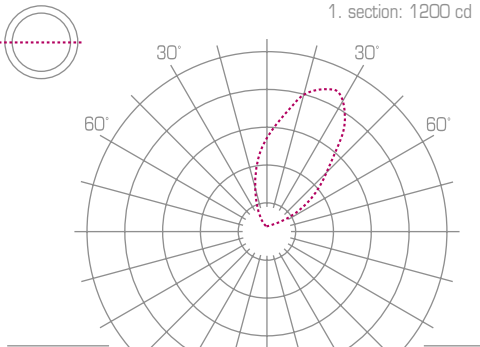
m.	Ø 50%	Ø 10%	54°	98°	E (lux)
20	20.4	46.0			16
15	15.3	34.5			28
10	10.2	23.0			63
5	5.1	11.5			252
2	2.0	4.6			1573



Efficiency
43%
Half-peak diameter
1.02 x distance (m)
One-tenth peak diameter
2.30 x distance (m)
Illuminance
6291 / distance <sup>2</sup> (lux)
Total Output
5993 (lumens)

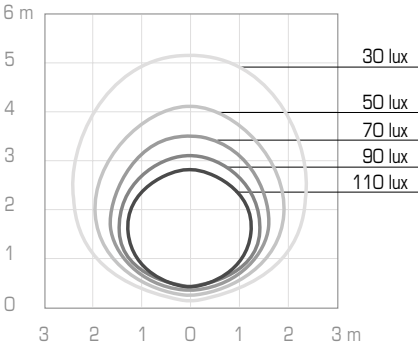
Wallwash Superwide Lens + Mirror 104°

m.	Ø 50%	Ø 10%	54°	104°	E (lux)
20	20.4	51.2			13
15	15.3	38.4			23
10	10.2	25.6			51
5	5.1	12.2			202
2	2.0	5.1			1265

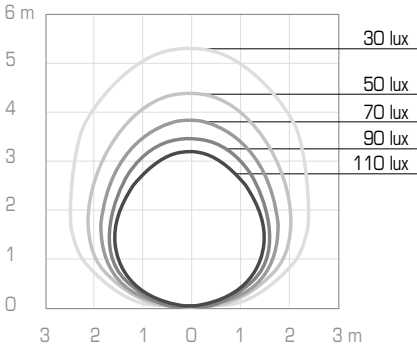


Efficiency
39%
Half-peak diameter
1.02 x distance (m)
One-tenth peak diameter
2.56 x distance (m)
Illuminance
5059 / distance <sup>2</sup> (lux)
Total Output
5526 (lumens)

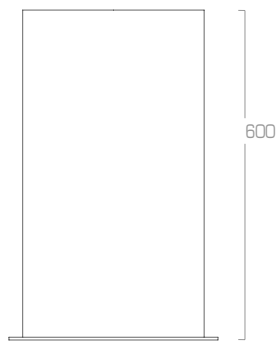
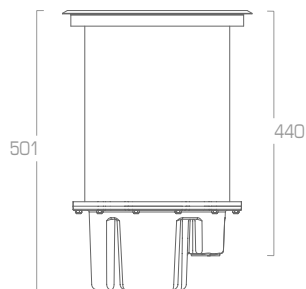
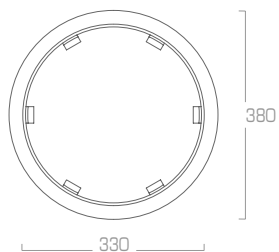
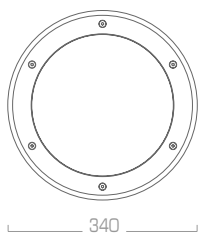
Wallwash



Wallwash Superwide Lens + Mirror. The fixture is centered on grid with 1m setback, no tilt.

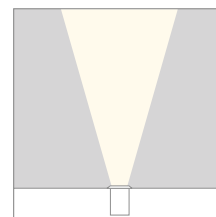


Wallwash Superwide Lens + Mirror. The fixture is centered on grid with 1m set-back 15-degrees tilt.

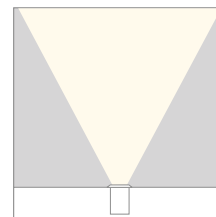


Installation sleeve

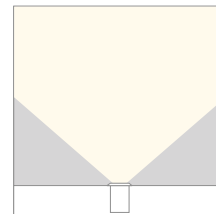
Medium



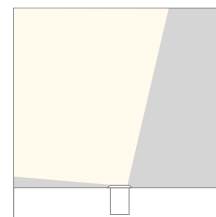
Wide



Very Wide



Wallwash





# SPECIFICATIONS

## Inground 200

### Physical

Diameter (at lens/at base):  
Ø310/Ø340mm (12.2 in./13.4 in.)  
Height: 500 mm (19.7 in.)  
Weight: approximately 20kg (44lb)

### Source

Lamp: 150 W HIT  
Base: G12  
Approved models:  
Philips CDM-SA/T 150W/830  
Philips CDM-SA/T 150W/942  
Osram HCI-T 150W/WDL  
Osram HCI-T 150W/NDL

### Thermal

Cooling: Convection

### AC Supply

Power supply options:  
100-110-120V; 200-210-220-230-240-  
250-277 V; 50/60Hz  
AC Entrance: 2 threaded holes  
M25 x 1.5mm, suitable for  
through wiring

### Construction

Housing: combination of extruded  
and high pressure die-cast aluminium  
Finish: powder coated epoxy/  
polyester with 2% Teflon (PTFE), Grey  
Lens frame: N/A  
Fasteners: Six pieces M6 stainless  
steel Allen cap screws  
Front glass: Ø254mm, 19 mm  
tempered optiwhite  
Protection factor: IP 65/67

### Included items

User manual  
Philips CDM-SA/T 150W/942  
2 stainless steel cable glands  
(IP 68) for data entrance  
(M16x1.5; Ø=5-9mm)  
2 stainless steel cable glands  
(IP 68) for AC entrance  
(M25x1.5mm; Ø13-17mm)

## CMY module

### Control & Programming

Control options: DMX-512,  
stand-alone, master/slave,  
remote control

Receiver: RS-485

Setting and addressing:  
MP-2, DAD, MUM

Firmware update:  
Serial upload (MUF)

Stand-alone trigger options :  
internal real-time clock with timer

Stand-alone memory: 20 scenes

Data Entrance: 2 threaded holes  
M16x1.5mm suitable for through  
wiring

DMX channels: 5

### Dynamic effects

Cyan filter: 0 - 100%  
Magenta filter: 0 - 100%  
Yellow filter: 0 - 100%  
Dimmer: 0 - 100%

## 6 colour module

### Control & Programming

Control options: DMX-512,  
stand-alone, master/slave,  
remote control

Receiver: RS-485

Setting and addressing:  
MP-2, DAD, MUM

Firmware update:  
Serial upload (MUF)

Stand-alone trigger options :  
internal real-time clock with timer

Stand-alone memory: 20 scenes

Data Entrance: 2 threaded holes  
M16x1.5mm suitable for through  
wiring

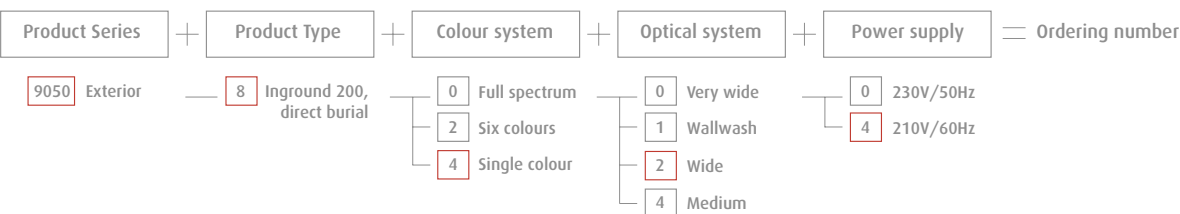
DMX channels: 3

### Dynamic effects

Colour wheel: 6 positions  
Dimmer: 0 - 100%

Specifications subject to change.

## Ordering information



Example: 90508424 (Inground 200, C, W, 210V/60Hz)



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# AT A GLANCE

## SURFACE TEMPERATURE

Double glass protection reduces surface temperature for safe installation near pedestrians and delicate planting.

## 3 COLOUR SYSTEMS

Three separate colour systems provide a range of solutions for any application:

- Single colour
- Six colours
- Full spectrum CMY

## IP 65/67

IP 65/67 rating guarantees safe and reliable operation in all weathers.

## LOGICAL CONSTRUCTION

Seperate compartments for electrical gear, PCB and junction box reduce heat to extend component life. Servicing can be performed without dismantling the body, always leaving behind a safe and sealed fixture.

## DRIVE-OVER

The top plate and 19 mm clear tempered glass are constructed to bear loads of up to 5000 kg.

## PHOTOMETRIC OPTIONS

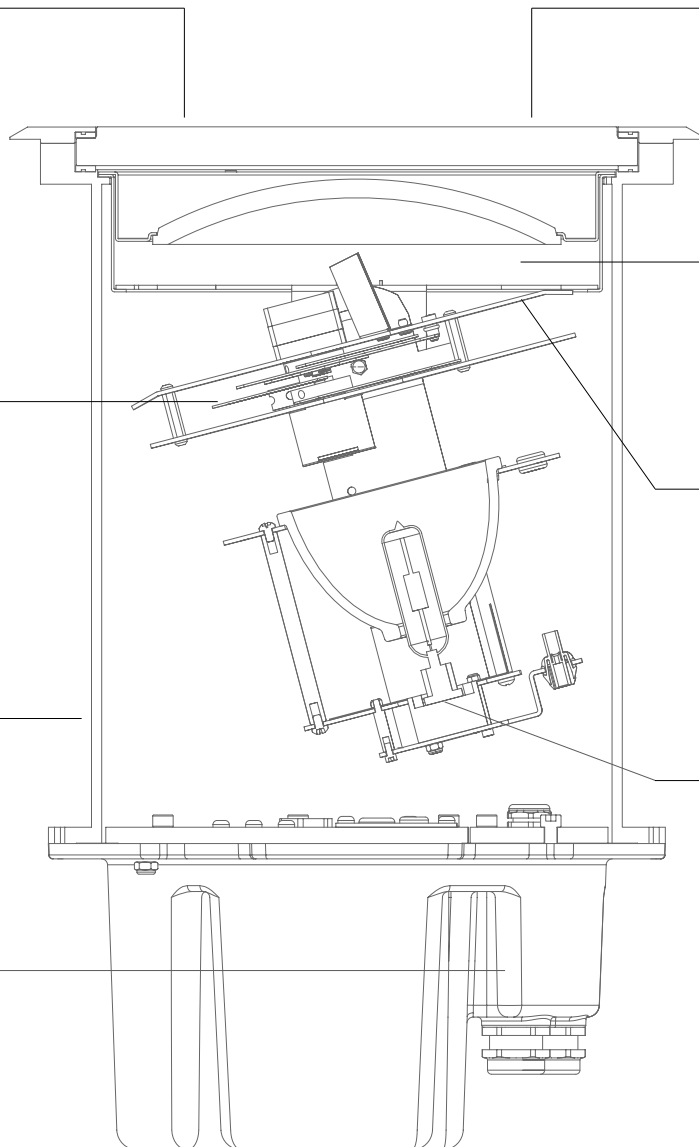
Various optical solutions are available to obtain different beam angles or a smooth, patent-pending wallwash.

## OPTICAL AIMING

The adjustable lamp frame allows for 360° rotation and +/-15 tilt. A locking mechanism secures the optical aiming position.

## RELAMPING

150 W discharge lamp. Entire lamp module is removable for relamping.



+15°  
↕

360°  
↻

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**Product Guide**

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